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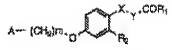
(54) NEW SUBSTITUTED PHENOL DERIVATIVE

(57)Abstract:

PURPOSE: To obtain a new highly safe compound having hypoglycemic action and blood lipid depressing action, but inducing no lactic acidosis or excessive hypoglycemia, thus useful as a preventive/therapeutic agent for diabetes and hyperlipemia, etc.

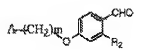
CONSTITUTION: This new compound (salt) is expressed by formula I [R1 is OH, a lower alkoxyl, etc.; R2 is thiol, nitro, etc.; X-Y is CH2-CH2, CH=CH, etc.; (m) is 0-2; A is an aromatic heterocyclic group such as of formula II, III (R7 and R8 are each H, furyl, etc.; R9 is H or a lower alkyl,), etc.], e.g. 3-{4-[2-(5-methyl-2-phenyl-4-oxazolyl)ethoxyl-2-nitrophenyl}acrylic acid ethyl ester. The compound of formula I is obtained, for example, by hydrolyzing a benzaldehyde derivative followed by reacting the resultant hydrolyzate with an alkylating reagent of the formula A-(CH2)mR11 (R11 is OH or an eliminable functional group) to form a 2,4-disubstituted benzaldehyde of formula IV which is then reacted with a Wittig reagent of the formula PPh3=COR1.



I

II

III



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LEGAL STATUS

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